

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5	((ALVIN) near2 (LIKNES)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:35
S2	27	("2061865"   "2391542"   "3797968"   "3894583"   "3894814"   "3963377"   "3991825"   "4171016"   "4226284"   "4265312"   "4437514"   "4465435"   "4509599"   "4596516"   "4823880"   "5141406"   "5211242"   "5339905"   "5501279"   "5806598"   "5911278"   "5957199"   "6138758"   "6298918"   "6352109").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 09:44
S3	1	("6629566").URPN.	USPAT	OR	OFF	2007/01/05 09:09
S4	16	("20030047308"   "3654949"   "3887008"   "4738313"   "4989671"   "5911278"   "5915478"   "6158508"   "6286596"   "6293341"   "6367555"   "6454002"   "6629566"   "6672392"   "6745815"   "6758277").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 09:10
S5	577	417/403.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 13:10
S6	415	hydraulic and submersible and pump and "check valve"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 09:55
S7	318	417/545.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:11

S8	11	((Dwight) near2 (Patterson)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 13:28
S9	4592	"166".clas. and hydraulic and pump	USPAT; USOCR	OR	OFF	2007/01/30 13:58
S10	1845	"166".clas. and hydraulic and piston and pump	USPAT; USOCR	OR	OFF	2007/01/30 14:08
S11	20	"166".clas. and hydraulic and piston and pump and "diesel fuel"	USPAT; USOCR	OR	OFF	2007/01/30 14:09
S12	231	417/904.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:17
S13	3413	"down hole" and pump and well	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:18
S14	8033	"downhole" and pump and well	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:18
S15	4309	"downhole" and pump and well and hydraulic	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:18
S16	664	"downhole" and pump and well and hydraulic and submersible	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:25
S17	96	417/56.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:27
S18	63	417/57.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:27
S19	576	417/423.3.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:35
S20	460	417/423.3.ccls.	USPAT; USOCR	OR	OFF	2007/01/30 14:35
S21	13	("4295801"   "4901413"   "5156206"   "5501580"   "5722820"   "5954483"   "5992517"   "6063001"   "6089832"   "6138758"   "6398583"   "6454010"   "6468058").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 14:38

S22	55	(plunger same hydraulic) and submersible	USPAT; USOCR	OR	OFF	2008/06/11 09:42
S23	296	417/375.ccls.	USPAT; USOCR	OR	OFF	2008/06/11 09:47
S24	291	417/545.ccls.	USPAT; USOCR	OR	OFF	2008/06/11 09:50
S25	747	417/454.ccls.	USPAT; USOCR	OR	OFF	2008/06/11 09:55
S26	104	417/454.ccls. and hydraulic	USPAT; USOCR	OR	OFF	2008/06/11 09:55
S27	10	("3375874"   "3750700"   "4407363"   "5074361"   "5156220"   "5309993"   "5316084"   "5479989"   "6598675").PN.	USPAT; USOCR	OR	OFF	2008/06/11 10:04
S28	403	("1015685"   "1067868"   "1529911"   "1549175"   "1554444"   "1610174"   "1790450"   "2000265"   "20020079763"   "20020197174"   "2005767"   "2034798"   "2061865"   "2230501"   "2236370"   "2292543"   "2388662"   "2391542"   "2435179"   "2606696"   "2644401"   "2684639"   "2722232"   "2841092"   "2861518"   "2921531"   "2931304"   "2953204"   "2961966"   "3048412"   "3090316"   "3106169"   "3125963"   "3137344"   "3163360"   "3210087"   "3215087"   "3255675"   "3304871"   "3373695"   "3427988"   "3431953"   "3517741"   "3537619"   "3598418"   "3653786"   "3661060"   "3677141"   "3703926"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 10:06

"3705626" | "3707157"  
| "3739073" |  
"3746483" | "3749526"  
| "3785659" |  
"3797968" | "3811801"  
| "3865516" |  
"3870439" | "3873238"  
| "3894583" |  
"3894814" | "3907307"  
| "3914752" |  
"3945774" | "3951457"  
| "3963377" |  
"3972396" | "3978926"  
| "3991825" |  
"4032263" | "4048905"  
| "4067667" |  
"4120795" | "4137017"  
| "4140442" |  
"4141676" | "4148735"  
| "4171016" |  
"4214854" | "4223724"  
| "4226284" |  
"4239463" | "4241787"  
| "4265312" |  
"4267885" | "4268227"  
| "4275790" |  
"4277229" | "4295801"  
| "4296810" |  
"4333729" | "4345647"  
| "4346256" |  
"4354520" | "4354553"  
| "4383803" |  
"4390061" | "4390326"  
| "4392532" |  
"4400144" | "4410041"  
| "4437514" |  
"4465435" | "4475603"  
| "4478288" |  
"4480697" | "4488607"  
| "4490095" |  
"4509599" | "4527961"  
| "4544335" |  
"4548552" | "4551077"  
| "4562385" |  
"4573540" | "4596516"  
| "4618316" |  
"4621566" | "4625801"  
| "4664186" |  
"4665281" | "4687054"  
| "4688650").PN. OR  
("4711306" | "4711720"  
| "4720247" |  
"4721565" | "4738779"

"4745969"	
"4749034"	"4758135"
"4766957"	
"4773833"	"4787450"
"4787452"	
"4793408"	"4805697"
"4815949"	
"4823880"	"4824562"
"4836935"	
"4844156"	"4896725"
"4900433"	
"4901413"	"4902206"
"4913630"	
"4925354"	"4936383"
"5033550"	
"5104296"	"5141406"
"5146982"	
"5154588"	"5156206"
"5159977"	
"5173022"	"5196770"
"5211242"	
"5252043"	"5269377"
"5296153"	
"5314025"	"5320500"
"5335732"	
"5337828"	"5339905"
"5345655"	
"5377756"	"5377764"
"5396153"	
"5400858"	"5425416"
"5431229"	
"5456837"	"5464309"
"5497832"	
"5501279"	"5501580"
"5503226"	
"5547021"	"5570744"
"5579838"	
"5603825"	"5620048"
"5620593"	
"5634522"	"5657821"
"5671813"	
"5722820"	"5730871"
"5734209"	
"5735346"	"5806598"
"5816326"	
"5830368"	"5831353"
"5839514"	
"5857519"	"5893414"
"5906241"	
"5911278"	"5954483"
"5957199"	
"5960875"	"5992517"
"6017198"	

		"6059539"   "6063001"   "6089832"   "6138758"   "6138763"   "6168388"   "6176308"   "6183217"   "6203288"   "6213722"   "6250384"   "6283720"   "6288470"   "6289575"   "6298918"   "6352109"   "6367555"   "6398583"   "6454010"   "6468058"   "6533039"   "6550535"   "6595280"   "6722854").PN. OR ("2002/0189805"   "2003/0037929"   "2006/0008364"   "2006/0045767"   "2006/0045781"   "3411454"   "4413647"   "4470775"   "4758135"   "4768933"   "4878815"   "5494102"   "5915475"   "6082452"   "6561775"   "6595280"   "6629566"   "6745815"   "6817409"   "6889765").URPN.				
S29	15	("0376382"   "2744469"   "3123007"   "4120612").PN. OR ("4490095").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 10:40
S30	6	("3123007"   "4490095").PN. OR ("4565496").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 10:42
S32	568	"417/401".ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 10:45
S33	557	"417/401".ccls.	USPAT; USOCR	OR	OFF	2008/06/11 10:45
S34	234	hydraulic and plunger and pump and "diesel fuel"	USPAT	OR	OFF	2008/06/11 11:01
S35	66	plunger and pump and (hydraulic same "diesel fuel")	USPAT	OR	OFF	2008/06/11 11:01

S36	9	plunger and pump and ("hydraulic fluid" with "diesel fuel")	USPAT	OR	OFF	2008/06/11 11:03
S37	5	"417".clas. and ("hydraulic fluid" with "diesel fuel")	USPAT	OR	OFF	2008/06/11 11:04
S38	2	"417".clas. and ("working fluid" with diesel)	USPAT	OR	OFF	2008/06/11 11:06
S39	0	"417".clas. and (hydraulic same (two with "working fluids"))	USPAT	OR	OFF	2008/06/11 11:07
S40	4	"417".clas. and hydraulic and (two with "working fluids")	USPAT	OR	OFF	2008/06/11 11:08
S41	6	hydraulic and ("two working fluids") and (plunger or piston)	USPAT	OR	OFF	2008/06/11 11:09
S42	0	("two working fluids") and (plunger or piston) and "diesel fuel"	USPAT	OR	OFF	2008/06/11 11:11
S43	24	("working fluids") and (plunger or piston) and "diesel fuel"	USPAT	OR	OFF	2008/06/11 11:11
S44	2	("working fluids" same "diesel fuel") and (plunger or piston)	USPAT	OR	OFF	2008/06/11 11:12
S45	22	("working fluid" same "diesel fuel") and (plunger or piston)	USPAT	OR	OFF	2008/06/11 11:12
S46	54	("hydraulic fluid" same "diesel fuel") and (plunger or piston)	USPAT	OR	OFF	2008/06/11 11:13
S47	30	("hydraulic fluid" with "diesel fuel") and (plunger or piston)	USPAT	OR	OFF	2008/06/11 11:13
S48	2107	"hydraulic head"	USPAT; USOCR	OR	OFF	2008/06/11 11:30
S49	0	"hydraulic head" and "two working fluids"	USPAT; USOCR	OR	OFF	2008/06/11 11:31
S50	27	"hydraulic head" and "two fluids"	USPAT; USOCR	OR	OFF	2008/06/11 11:31
S51	2	"hydraulic head" and "floating pistons"	USPAT; USOCR	OR	OFF	2008/06/11 11:33
S52	0	"floating pistons" same fluids same "166".clas.	USPAT; USOCR	OR	OFF	2008/06/11 11:36

S53	14	("floating pistons" same fluids) and "166".clas.	USPAT; USOCR	OR	OFF	2008/06/11 11:36
S54	26	"hydraulic circuit" and "two fluids"	USPAT; USOCR	OR	OFF	2008/06/11 11:39
S55	2	"hydraulic circuit" same "two fluids"	USPAT; USOCR	OR	OFF	2008/06/11 11:39
S56	26	"prime mover" same "floating piston"	USPAT; USOCR	OR	OFF	2008/06/11 11:47
S57	2	"prime mover" same "floating pistons"	USPAT; USOCR	OR	OFF	2008/06/11 11:47
S58	18	("2141703"   "2218214"   "2244428"   "2325138"   "2432735"   "2560676"   "2902884"   "2982100"). PN. OR ("3646833"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 11:50
S59	1333	417/415.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 13:15
S60	155	417/415.ccls. and hydraulic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/11 13:15

6/11/2008 2:58:46 PM

C:\Documents and Settings\PBerthhead\My Documents\EAST\Workspaces  
\10711832.wsp